

CLAIMS

1. A method for improving the startup speed of a computer operating system from a suspended state to an active state, comprising:
 - running a computer application in the operating system to capture a predetermined message issued by the computer operating system;
 - sending a command, in response to the captured message, from the application to a device manager in the operating system to remove a device to be powered down, from the operating system;
 - powering down the computer;
 - restarting the computer with the device removed from the operating system; and
 - reinstating the device in the operating system after the computer has been restarted.
2. The method of Claim 1 wherein the predetermined message is a suspend message.
3. The method of Claim 2 wherein the suspend message is WM_POWER_BROADCAST (PBT_APMSUSPEND).
4. The method of Claim 1 wherein the device manager is a plug and play manager.
5. The method of Claim 2 wherein the device manager is a plug and play manager.
6. The method of Claim 3 wherein the device manager is a plug and play manager.
7. The method of Claim 1 wherein the device is chosen from the group consisting of a cardbus controller, a sound card controller, a USB media reader controller, a secondary hard drive controller, or an IEEE 1394 controller.

8. The method of Claim 2 wherein the device is chosen from the group consisting of a cardbus controller, a sound card controller, a USB media reader controller, a secondary hard drive controller, or an IEEE 1394 controller.
9. The method of Claim 3 wherein the device is chosen from the group consisting of a cardbus controller, a sound card controller, a USB media reader controller, a secondary hard drive controller, or an IEEE 1394 controller.
10. The method of Claim 4 wherein the device is chosen from the group consisting of a cardbus controller, a sound card controller, a USB media reader controller, a secondary hard drive controller, or an IEEE 1394 controller.
11. A method for improving the startup speed of a computer operating system from a suspended state to an active state, comprising:
 - running a computer device stack filter driver to capture a predetermined message issued by the computer operating system;
 - sending a command, in response to the captured message, from the filter driver to a device manager in the operating system to remove a device to be powered down from the operating system;
 - powering down the computer;
 - restarting the computer with the device removed from the operating system; and
 - reinstating the device in the operating system after the computer has been restarted.
12. The method of Claim 11 wherein the predetermined message is a suspend message.
13. The method of Claim 12 wherein the suspend message is IRP_MN_QUERY_POWER.

14. The method of Claim 11 wherein the device manager is a plug and play manager.
15. The method of Claim 11 wherein the device is chosen from the group consisting of a cardbus controller, a sound card controller, a USB media reader controller, a secondary hard drive controller, or an IEEE 1394 controller.
16. A computer having improved startup speed from a suspended state to an active state comprising:
- a microprocessor being controlled by an operating system;
 - an application stored in a memory of the computer for running within the operating system to capture a predetermined message issued by the operating system, the application sending a command, in response to the captured message, to a device manager within the operating system to remove a device to be powered down, from the operating system;
 - means for powering down the computer system;
 - means for restarting the computer with the device removed from the operating system; and
 - means for reinstating the device in the operating system after the computer has been restarted.
17. The method of Claim 16 wherein the predetermined message is a suspend message.
18. The method of Claim 17 wherein the suspend message is WM_POWER_BROADCAST (PBT_APMSUSPEND).
19. The method of Claim 16 wherein the device manager is a plug and play manager.
20. A computer program stored on computer readable media comprising:

means to capture a suspend message from an operating system;

means to issue a command in response to the captured message to a device manager of the operating system to remove a device to be powered down, from the operating system;

means for reinstating the device in the operating system after a computer has been powered down and restarted with the device removed.